

**United States Environmental Protection Agency  
Region V  
POLLUTION REPORT**

EPA Region 5 Records Ctr.



328384

**Date:** Thursday, May 21, 2009

**From:** Kevin Turner, OSC

**To:** Kevin Turner, Superfund - Emergency Response Branch  
Jason El Zien, US EPA  
Charles Gebien, US EPA  
John Maritote, US EPA  
Max Michaels, IDEM  
Troy Woodruff, IDEM  
Roger Wilson, IDEM  
Carolyn Rusk, Evansville  
Richard Karl, US EPA  
Linda Nachowicz, US EPA  
Mark Durno, US EPA  
David Chung, US EPA  
Andy Stinchfield, IDEM  
Harry Atkinson, IDEM  
Dona Bergman, Evansville  
Keith Hughes, Weston Solutions

**Subject:** Miller Plating Site  
1551 Allen Lane, Evansville, IN  
Latitude: 38.00837  
Longitude: -87.58629

<b>POLREP No.:</b>	4	<b>Site #:</b>	B5MS
<b>Reporting Period:</b>		<b>D.O. #:</b>	0004
<b>Start Date:</b>	1/19/2009	<b>Response Authority:</b>	CERCLA
<b>Mob Date:</b>	1/19/2009	<b>Response Type:</b>	Time-Critical
<b>Completion Date:</b>		<b>NPL Status:</b>	Non NPL
<b>CERCLIS ID #:</b>	IND 006 365 985	<b>Incident Category:</b>	Removal Action
<b>RCRIS ID #:</b>		<b>Contract #</b>	EP-S5-09-05

**Site Description**

See initial POLREP

**Current Activities**

□ Air monitoring continues to be conducted during site activities. There are two Area RAEs and two Multi RAEs with hydrogen cyanide sensors installed and located in the work area.

□ On April 2, 2009 three composite samples, MPCN-1, MPCN-2 and MPCN-3, were collected. The samples were collected from drums, totes and tanks that were known to contain cyanide liquids. In general, the cyanide liquids were composited into three different samples according to their color. Sample MPCN-1 was a clear yellow liquid; MPCN-2 was a clear blue/green liquid; MPCN-3 was a dark amber liquid. The samples were analyzed for total cyanide, reactive cyanide, Amenable cyanide, Resource Conservation Recovery Act (RCRA) eight metals and corrosivity. The liquid samples were analyzed by Microbac Laboratories, Incorporated located in Collinsville, IL.

- The results of samples MPCN-1, MPCN-2 and MPCN-3 were compared to the United States Environmental Agency (US EPA) maximum concentrations for toxicity characteristics established in 40 CFR 261.24, characteristics of corrosivity established in 40 CFR 261.22, and characteristics of reactivity established in 40 CFR 261.23.
- Sample MPCN-1 liquid sample contained high levels of reactive cyanide at 25,300 milligrams per liter (mg/L) and exceeded the regulatory limit for toxicity of 5 mg/L for silver with a result of 91 mg/L and obtained a pH of 12.3. There is approximately 19,368 gallons of liquid estimated for sample MPCN-1.
- Sample MPCN-2 liquid sample contained high levels of reactive cyanide at 20,800 mg/L, exceeded the regulatory limit for toxicity of 5 mg/L for chromium with a result of 6.66 mg/L and exhibited characteristics of corrosivity with a pH of 13.2. There is approximately 13,945 gallons of liquid estimated for sample MPCN-2.
- Sample MPCN-3 liquid sample contained high levels of reactive cyanide at 74,400 mg/L, equaled the regulatory limit for toxicity of 5 mg/L for chromium, exceeded the regulatory limit for toxicity of 5 mg/L for lead with a result of 24.7 mg/L and exhibited characteristics of corrosivity with a pH of 13.7. There is approximately 1,100 gallons of liquid estimated for sample MPCN-3.
- Disposal of the liquids composited into samples MPCN-1, MPCN-2 and MPCN-3 are pending.
- April 12 through April 23, 2009 approximately 48,815 gallons of Chromic Acid solution (waste codes D002, D007) was collected by vacuum trucks and taken off site for disposal. A total of 45,115 gallons was transported to Envirite of Illinois for disposal located in Harvey, Illinois. A total of 3,700 gallons was transported to Vickery Environmental, Inc. 3956 St. Rt. 412 Vickery, OH.
- April 29 thru May 15, 2009 approximately 9,475 gallons of liquid containing Silver (D011) was vacuum trucks and transported to Vickery Environmental, Inc. 3956 St. Rt. 412 Vickery, OH.
- ERRS continue the removal process of piping from the former plating lines. Once removed, the pipes are decontaminated and placed into a roll-off box for off-site disposal. In addition, empty drums are decontaminated and placed into the roll-off. Approximately 74.53 tons of non-hazardous debris has been disposed of thus far. The non-hazardous debris is disposed at the Laubscher Meadows Landfill in Evansville, IN.
- Approximately 72,597 gallons of non-hazardous liquid waste has been taken off site by Waste Management. The non-hazardous waste liquid was taken to the Outerloop Landfill located in Louisville, KY, for solidification.
- Approximately 5.16 tons of scrap metal has been taken off site by a local recycler, Fligeltaub of Evansville, IN.

### **Planned Removal Actions**

- Compatible waste streams will be bulked, re-containerized, and appropriately prepared for disposal at off-site disposal facilities.
- Continue emptying tanks, piping, debris, drums and other containers will be cleaned as necessary, cut to size and disposed of at off-site disposal facilities.
- Continue to clean floors, walls, ceilings, building components and building contents and/or dispose of items as reasonably possible to remove contamination from spills and contaminated dust or other materials to prevent contaminant migration or cross

contamination of cleaned areas.

- ☐ Continue to disassemble the dilapidated portion of the waste water treatment building.
- ☐ Characterize soil from a historic spill which occurred outside the bulk wastewater treatment storage building on the east side of the property. Once characterized, dispose of roll-off containing the soil off-site.
- ☐ Characterize, remove and properly dispose of hazardous substance and wastes located at the Site in accordance with U.S. EPA's Off-Site Rule (40 CFR 300.440).
- ☐ Lab-pack laboratory and house hold hazardous waste chemicals for off-site disposal
- ☐ Solidification of sludge ☐s found in tanks, drums, totes and other containers found through-out the facility

#### Key Issues

- ☐ Safe work practices when working with cyanide waste in unknown conditions
- ☐ Continue determining of exact quantities of waste liquids remaining on site for off-site disposal

#### Estimated Costs \*

	Budgeted	Total To Date	Remaining	% Remaining
<b>Extramural Costs</b>				
ERRS - Cleanup Contractor	\$800,000.00	\$523,460.00	\$276,540.00	34.57%
RST/START	\$75,000.00	\$64,629.00	\$10,371.00	13.83%
<b>Intramural Costs</b>				
USEPA - Direct (Region, HQ)	\$50,000.00	\$40,782.00	\$9,218.00	18.44%
<b>Total Site Costs</b>				
	\$925,000.00	\$628,871.00	\$296,129.00	32.01%

\* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

#### Disposition of Wastes

Approximately 48,815 gallons of Chromic Acid solution (waste codes D002, D007) taken off site for disposal. A total of 45,115 gallons was transported to Envirite of Illinois for disposal located in Harvey, Illinois. A total of 3,700 gallons was transported to Vickery Environmental, Inc. 3956 St. Rt. 412 Vickery, OH. 9,475 gallons of liquid containing Silver (D011) was transported to Vickery Environmental,

Inc. 3956 St. Rt. 412 Vickery, OH.

72,597 gallons of non-hazardous liquid waste has been taken off site by Waste Management. The non-hazardous waste liquid was taken to the Outerloop Landfill located in Louisville, KY, for solidification.

5.16 tons of scrap metal has been taken off site by a local recycler, Fligeltaub of Evansville, IN.

74.53 tons of non hazardous debris has been taken off site by Allied Waste and taken to Laubscher Meadows Landfill located in Evansville, IN.

Waste Stream	Quantity	Manifest #	Disposal Facility
RQ, Waste Chromic Acid Solution, 8, UN1755,II, D002,D007	5,175 gallons	002007932	Envirite of Illinois, 16435 S. Center Ave. Harvey, IL 60426
RQ, Waste Chromic Acid Solution, 8, UN1755,II, D002,D007	5,150 gallons	002007954	Envirite of Illinois, 16435 S. Center Ave. Harvey, IL 60426
RQ, Waste Chromic Acid Solution, 8, UN1755,II, D002,D007	4,500 gallons	002007933	Envirite of Illinois, 16435 S. Center Ave. Harvey, IL 60426
RQ, Waste Chromic Acid Solution, 8, UN1755,II, D002,D007	5,040 gallons	002007957	Envirite of Illinois, 16435 S. Center Ave. Harvey, IL 60426
RQ, Waste Chromic Acid Solution, 8, UN1755,II, D002,D007	5,150 gallons	002007956	Envirite of Illinois, 16435 S. Center Ave. Harvey, IL 60426
RQ, Waste Chromic Acid Solution, 8, UN1755,II, D002,D007	5,000 gallons	002008000	Envirite of Illinois, 16435 S. Center Ave. Harvey, IL 60426
RQ, Waste Chromic Acid Solution, 8, UN1755,II, D002,D007	5,250 gallons	002007955	Envirite of Illinois, 16435 S. Center Ave. Harvey, IL 60426
RQ, Waste Chromic Acid Solution, 8, UN1755,II, D002,D007	5,100 gallons	002501511	Envirite of Illinois, 16435 S. Center Ave. Harvey, IL 60426
RQ, Waste Chromic Acid Solution, 8, UN1755,II, D002,D007	4,750 gallons	00201567	Envirite of Illinois, 16435 S. Center Ave. Harvey, IL 60426
RQ, Waste Chromic Acid Solution, 8, UN1755,II, D002,D007	3,700 gallons	002009839	Vickery Environmental , Inc, 3956 St. Rt. 412, Vickery, OH 43464
RQ, Hazardous Waste, Liquid, N.O.S.,9.NA3082,III,D011	4,700 gallons	002009832	Vickery Environmental , Inc, 3956 St. Rt. 412, Vickery,

			OH 43464
RQ, Hazardous Waste, Liquid, N.O.S.,9,NA3082,III,D011	4,775 gallons	002009962	Vickery Environmental , Inc, 3956 St. Rt. 412, Vickery, OH 43464
Non Hazardous Debris	3.84 tons	0250156	Laubscher Meadows Landfill, 2020 Laubscher Road, Evansville, IN
Non Hazardous Debris	3.39 tons	0250157	Laubscher Meadows Landfill, 2020 Laubscher Road, Evansville, IN
Non Hazardous Debris	4.20 tons	0250158	Laubscher Meadows Landfill, 2020 Laubscher Road, Evansville, IN
Non Hazardous Debris	3.84 tons	0250159	Laubscher Meadows Landfill, 2020 Laubscher Road, Evansville, IN
Non Hazardous Debris	3.03 tons	0250160	Laubscher Meadows Landfill, 2020 Laubscher Road, Evansville, IN
Non Hazardous Debris	6.53 tons	0250161	Laubscher Meadows Landfill, 2020 Laubscher Road, Evansville, IN
Non Hazardous Debris	4.76 tons	0250162	Laubscher Meadows Landfill, 2020 Laubscher Road, Evansville, IN
Non Hazardous Debris	4.11 tons	0250162	Laubscher Meadows Landfill, 2020 Laubscher Road, Evansville, IN
Non Hazardous Debris	5.06 tons	0250162	Laubscher Meadows Landfill, 2020 Laubscher Road, Evansville, IN
Non Hazardous Debris	7.10 tons	0250165	Laubscher Meadows Landfill, 2020 Laubscher Road, Evansville, IN
Non Hazardous Debris	7.32 tons	0250166	Laubscher Meadows Landfill, 2020 Laubscher Road, Evansville, IN
Non Hazardous Debris	5.49 tons	0250167	Laubscher Meadows Landfill, 2020 Laubscher Road, Evansville, IN
Non Hazardous Debris	6.51 tons	0250168	Laubscher Meadows

			Landfill, 2020 Laubscher Road, Evansville, IN
Non Hazardous Debris	6.49 tons	0250169	Laubscher Meadows Landfill, 2020 Laubscher Road, Evansville, IN
Non Hazardous Debris	2.86 tons	0250170	Laubscher Meadows Landfill, 2020 Laubscher Road, Evansville, IN
Non Hazardous Water	6,165 gallons	10912127	Outerloop Landfill, 2676 Outerloop Louisville, KY 40219
Non Hazardous Water	5,441 gallons	10912128	Outerloop Landfill, 2676 Outerloop Louisville, KY 40219
Non Hazardous Water	5,235 gallons	10912129	Outerloop Landfill, 2676 Outerloop Louisville, KY 40219
Non Hazardous Water	6,122 gallons	10912130	Outerloop Landfill, 2676 Outerloop Louisville, KY 40219
Non Hazardous Water	5,225 gallons	10912131	Outerloop Landfill, 2676 Outerloop Louisville, KY 40219
Non Hazardous Water	5,240 gallons	10912132	Outerloop Landfill, 2676 Outerloop Louisville, KY 40219
Non Hazardous Water	6,323 gallons	10912133	Outerloop Landfill, 2676 Outerloop Louisville, KY 40219
Non Hazardous Water	5,983 gallons	10912134	Outerloop Landfill, 2676 Outerloop Louisville, KY 40219
Non Hazardous Water	6,000	10912136	Outerloop Landfill, 2676 Outerloop Louisville, KY 40219
Non Hazardous Water	5,000 gallons	10912137	Outerloop Landfill, 2676 Outerloop Louisville, KY 40219
Non Hazardous Water	5,500 gallons	10912138	Outerloop Landfill, 2676 Outerloop Louisville, KY 40219

Non Hazardous Water	5,500 gallons	10912139	Outerloop Landfill,2676 Outerloop Louisville, KY 40219
---------------------	------------------	----------	--

[epaossc.net/millerplating](http://epaossc.net/millerplating)